

5182446



Dart Aerospace Ltd.
1270 Aberdeen St
Hawkesbury, ON
K6A 1K7
Canada

Tel (613) 632-5200
Fax 613 632-5246

D6103-003
Job Sheet 194499



Part No: D6103-003

Job Qty: 10 pcs

Part Name: Round Billet, Aluminum



Part Weight: 0 lbs

Status: New

Priority: Medium

Job Created: 5/3/19

Job Tracking No:

Due Date: 5/31/19

Created By: Kimberley Guerin

Type: Stock

Description:

Note: DWG REV B

Ship Via:

Bill of Materials

Job Routing

Op No	Operation	Qty	Start Date	Due Date	Standard		Workcenter/Supplier	Sign-off
					Setup Hrs	Run Hrs		
100	Purchasing	10 pcs	5/31/19	5/31/19	0.00	0.00	Purchasing - 1	VM 5/21/2019
					x 10		Purchasing - 2	
							Purchasing - 3	
110	Packaging 2-1 - Receive - B4B	10 pcs	5/31/19	5/31/19	0.00	0.00	Packaging 2 - 1 - B4B	VM 5/21/2019
							Packaging 2 - 2 - B4B	
							Packaging 2 - 3 - B4B	
							Packaging 2 - 5 - B4B	
							Packaging 2 - 4 - B4B	
							Packaging 2 - 6 - B4B	
							Packaging 2 - 7 - B4B	
							Packaging 2 - 8 - B4B	
							Packaging 2 - 9 - B4B	
							Packaging 2 - 10 - B4B	
							Packaging 2 - 11 - B4B	
							Packaging 2 - 12 - B4B	
							Packaging 2 - 13 - B4B	
							Packaging 2 - 14 - B4B	
							Packaging 2 - 15 - B4B	
							Packaging 2 - 16 - B4B	
							Packaging 2 - 17 - B4B	
							Packaging 2 - 18 - B4B	
							Packaging 2 - 19 - B4B	
							Packaging 2 - 20 - B4B	
							Packaging 2 - 21 - B4B	
							Packaging 2 - 22 - B4B	
							Packaging 2 - 23 - B4B	
							Packaging 2 - 24 - B4B	
							Packaging 2 - 25 - B4B	
							Packaging 2 - 26 - B4B	
							Packaging 2 - 27 - B4B	
							Packaging 2 - 28 - B4B	

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120 QC 18	10 pcs	5/31/19	0.00 0.00	Packaging 2 - 29 - B4B	
				Packaging 2 - 30 - B4B	
				Packaging 2 - 31 - B4B	
				Packaging 2 - 32 - B4B	
				Packaging 2 - 33 - B4B	
				Packaging 2 - 34 - B4B	
				Packaging 2 - 35 - B4B	
				Packaging 2 - 36 - B4B	
				QC 18 - 12	
				QC 18 - 14	
				QC 18 - 22	
				QC 18 - 25	
				QC 18 - 48	DAS
				QC 18 - 58	61
				QC 18 - 61	9-89 ✓m
				QC 18 - 9	
130 Packaging 3-1 - Stock - B4B	10 pcs	5/31/19	0.00 0.00	Packaging 3 - 1 - B4B	
				Packaging 3 - 2 - B4B	
				Packaging 3 - 3 - B4B	
				Packaging 3 - 4 - B4B	
				Packaging 3 - 5 - B4B	
				Packaging 3 - 6 - B4B	
				Packaging 3 - 7 - B4B	
				Packaging 3 - 8 - B4B	
				Packaging 3 - 9 - B4B	
				Packaging 3 - 10 - B4B	
				Packaging 3 - 11 - B4B	
				Packaging 3 - 12 - B4B	
				Packaging 3 - 13 - B4B	
				Packaging 3 - 14 - B4B	
				Packaging 3 - 15 - B4B	
				Packaging 3 - 16 - B4B	
				Packaging 3 - 17 - B4B	
				Packaging 3 - 18 - B4B	
				Packaging 3 - 19 - B4B	
				Packaging 3 - 20 - B4B	
				Packaging 3 - 21 - B4B	
				Packaging 3 - 22 - B4B	
				Packaging 3 - 23 - B4B	
				Packaging 3 - 24 - B4B	
				Packaging 3 - 25 - B4B	
				Packaging 3 - 26 - B4B	
				Packaging 3 - 27 - B4B	
				Packaging 3 - 28 - B4B	
				Packaging 3 - 29 - B4B	
				Packaging 3 - 30 - B4B	
				Packaging 3 - 31 - B4B	
				Packaging 3 - 32 - B4B	
				Packaging 3 - 33 - B4B	
				Packaging 3 - 34 - B4B	
				Packaging 3 - 35 - B4B	
				Packaging 3 - 36 - B4B	
140 QC 21 - SA	10 pcs	5/31/19	0.00 0.00	QC 21 - SA - 21	DAS
				QC 21 - SA - 70	21
				QC 21 - SA - 53	9-89 MAY 23 2019

Part Op 100 - (Purchasing) Issue P/O: _____ a) Description: Alluminum round billet b) Ø3.500" x 12.500" long c) Descriptions: Tolerance on all dimensions are +0.030"/-0.000" d) Material: 7075-T7351 (QQ-A-225/9) Material certification required
 110 - (Receive & Inspect for Damage & Mat'l Certs) Ensure material certification is attached
 120 - QC18 (QC18 In-Coming Inspection Material)

[Part Hawkesbury] Job Sheet - Guerin, Kimberley
130 - (Identify as per dwg & Stock Location: _____) LOCATION: MAT043
140 - (QC21 - Final Inspection - Work Order Release)

Job BOM				
Part / Item	Component Name	Quantity	Operation	Container
D6103-003P	Round Alum Billet	10 pcs (1 ea)	100-Purchasing	
Job Allocations				
Operation	Component Part	Required	Inventory	Allocated
100-Purchasing	D6103-003P	10	0	0
Part Specifications				
Specifications could not be found.				

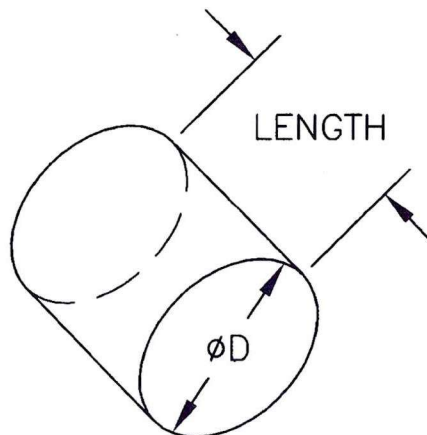
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DESIGN P41	DRAWN BY P41	DART AEROSPACE LTD HAWKESBURY, ONTARIO, CANADA	
CHECKED [Signature]	APPROVED [Signature]	DRAWING NO. D6103	Rev. B SHEET 1 OF 1
DATE 06.01.31		TITLE ROUND BILLET, ALUMINUM	SCALE NTS
A	01.04.10	NEW ISSUE	
B	06.01.31	ADD D6103-003	

SPECIFICATION CONTROL DRAWING

RELEASED
06.02.07 [Signature]



PURCHASE MATERIAL ACCORDING TO THE FOLLOWING TABLE. SPECIFY ALLOY, DIAMETER x LENGTH (+0.030/-0.000) AS SHOWN.

TOLERANCE ON ALL DIMENSIONS IS +0.030/-0.000.

ALL DIMENSIONS ARE IN INCHES.

Part No.	Alloy	D (Diameter)	Length
D6103-001	7075-T6/T651 (QQ-A-200/11 OR QQ-A-225/9)	Ø3.250	12.50
D6103-003	7075-T7351 (QQ-A-225/9) ✓	Ø3.500	12.50

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Dart Aerospace Ltd.
1270 Aberdeen St
Hawkesbury, ON
K6A 1K7
Canada

Tel (613) 632-5200

PURCHASE ORDER

POHB043369



Supplier: MEC002-VU
Metaux Castle
P.O. Box 4090 Stn A
Toronto
ON
M5W OE9 Canada

PO No: POHB043369

PO Date: 5/3/19

Due Date: 5/24/19

**Purchase Order
Revision:**

Revision Date:

Ship-To Contact: Phone:

Ship To: 1270 Aberdeen Street
Hawkesbury
ON
K6A 1K7 Canada
Phone: 613-632-5200

Via: Ground

Pymt Terms: Net 60

Freight Terms:

Special Comments:

E-MAILED
2019-05-03

Items

Line Item	Job	Part	Supplier Part No	Description	Status	Account	Due Date	Order Quantity	Received Quantity	Balance	Unit Price (USD)	Extended Price
1	194485	D6101-001P	72746	7075-T7351 2X6X6.25 : Various STC's AS PER DWG D6101 REV. B SIZE: 6.00" X 6.250" X 2.00" THICK GRAIN DIRECTION ALONG 6.00" LENGHT MATERIAL: 7075- T7351 QQ-A-250/12 TOLERANCE AS PER QUOTE +.030"/-.000"	Firmed	-	5/24/19	20 pcs	0 pcs	20 pcs	\$29.57/pcs	\$591.40
2	194489	D6101-003P	72742	7075-T7351 2X6.25X7.875 : Various STC's AS PER DWG D6101 REV. B SIZE: 7.875" X 6.250" X 2.00" THICK GRAIN DIRECTION ALONG 7.875" LENGHT MATERIAL: 7075- T7351 QQ-A-250/12 TOLERANCE AS PER QUOTE +.030"/-.000"	Firmed	-	5/24/19	20 pcs	0 pcs	20 pcs	\$38.82/pcs	\$776.40



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PURCHASE ORDER

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Items												
Line Item	Job	Part	Supplier Part No	Description	Status	Account	Due Date	Order Quantity	Received Quantity	Balance	Unit Price (USD)	Extended Price
3	194493	D6101-005P	72744	7075-T7351 8.25X5.0X2.5 : Various STC's AS PER DWG.D6101 REV.B SIZE: 5.00" X 8.250" X 2.50" THICK GRAIN DIRECTION ALONG 5.00" LENGHT MATERIAL: 7075- T7351 QQ-A-250/12 TOLERANCE AS PER QUOTE +.030"/-.000"	Firmed	-	5/24/19	20 pcs	0 pcs	20 pcs	\$40.54/pcs	\$810.80
4	194498	D6101-007P	72743	7075-T7351 8.25X7.75X2.5 : Various STC's AS PER DWG D6101 REV. B MATERIAL: 7075- T7351 (QQ-A- 250/12) SIZE: 7.750" X 8.250" X 2.50" THICK GRAIN DIRECTION ALONG: 7.750" LENGTH TOLERANCE AS PER QUOTE +.030"/-.000"	Firmed	-	5/24/19	40 pcs	0 pcs	40 pcs	\$61.72/pcs	\$2,468.80
5	194499	D6103-003P		Round Alum Billet : Various STC's AS PER DWG D6103 REV. B MATERIAL: 7075- T7351 AS PER QQ- A-225/9 SIZE: 3.500" X 12.500" LONG	Firmed	-	5/24/19	10 pcs	0 pcs 11 PCS	10 pcs	\$60.40/pcs	\$604.00
6	194502	D6104-011P		17-4 SS Roundbar 6.50"OD : Various STC's	Firmed	-	5/24/19	10 pcs	10 pcs	10 pcs	\$128.20/pcs	\$1,282.00
Grand Total:												\$6,533.40

MAY 09 2019



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K6A 1K7
Canada

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PURCHASE ORDER

POHB043369



Order Notes

Terms & Condition of Purchasing(Suppliers) and Procurement Quality Clauses are an integral part of our AS9100 requirements. To learn in detail, please visit www.dartaerospace.com for further explanation.

Procurement Quality Clauses

- A005 RIGHT OF ENTRY
- A007 FIRST ARTICLE INSPECTION (FAI) BY SELLER, (DOCUMENTATION MAINTAINED BY SUPPLIER)
- A012 CHEMICAL AND PHYSICAL TEST REPORTS
- A016 PERSONNEL QUALIFICATION
- A017 RAW MATERIAL IDENTIFICATION (AS APPLICABLE)
- A026 CERTIFICATION OF MATERIAL CONFORMANCE
- A041 QUALITY MANAGEMENT SYSTEM
- A042 DART NOTIFICATION BY SUPPLIER
- A043 RETENTION OF QUALITY DOCUMENT
- A048 COUNTERFEIT PARTS AVOIDANCE, DETECTION, MITIGATION AND DISPOSITION PROGRAM
- A049 SUPPLIER AWARENESS

CL
HLL

Plex 5/3/19 11:26 AM Dart.Guerin.Kimberley

**Castle Metals®**

A. M. Castle & Co.

PACKING SLIP/
CERTIFICATE OF CONFORMANCE

Page 1 of 1

Shipment No:3903679

Ship From: A. M. CASTLE & CO. 2150 ARGENTIA ROAD MISSISSAUGA, ON L5N 2K7 CAN		Sold To: DART AEROSPACE LTD 1270 ABERDEEN HAWKESBURY, ON K6A 1K7 CA		Ship To: DART AEROSPACE LTD 1270 ABERDEEN HAWKESBURY, ON K6A 1K7 CAN		Deliver To: DART AEROSPACE LTD 1270 ABERDEEN HAWKESBURY, ON K6A 1K7 CA	
Date Shipped 15-MAY-19	F.O.B. ORIGIN	Freight Terms Prepaid		Carrier LOCAL_FLEET		BOL No 3903679-9	

Shipment Details	Final Destination Branch - TOR
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Order No 5479669	Line No 1	Item No 8808.MO	Description 3.5000..RD.7075.T7351 ALUMINUM.CF.144.0000 CUT TO 12.5 IN (+ .1250/- .0000 IN) - BAND SAW CUTTING SPECIFICATIONS: AMS-QQ-A-225/9				
Purchase Order No POHB043369		Part Number YOUR ITEM NUMBER: D6103-003		Ordered Qty 11.00 PCS		Invoice Qty 11.00 PCS	
Details		ALL PAPERWORK MUST FOLLOW ORDER / CUSTOMER MUST RECEIVE AT TIME OF DELIVERY ALL MATERIAL MUST HAVE IDENTIFYING MARKINGS EX:HEAT #'S Email P/s and certs to: clavoie@dartaero.com END USER: DART AEROSPACE END USE: COMMERCIAL AIRCRAFT PARTS					
Delivery No. 122679570	Mill/Source KAISER ALUMINUM	Heat Number  202346451	Mech Id -	PCS 11	Width (IN)	Length (IN)	Shipped Qty(LBS) 133.3791

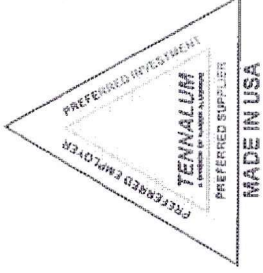
We hereby certify the material covered by this certification conforms in accordance with the above specifications and has been found to meet the applicable requirements for the material, including any specifications forming a part of the description. Test reports are on file subject to examination. All claims for defective material are waived unless made in writing to A.M. Castle & Co. within 60 days of the shipment. Material cut to the correct size, or material cut by the customer cannot be returned for credit.				
Reviewed by Authorized Castle Metals Representative:		MAY 15 2019	Date:	Name: <i>Kalau</i>



Date Printed: 15-MAY-2019 03:48:07 PM

KAISER ALUMINUM FABRICATED PRODUCTS

Tennalium
309 Industrial Drive
Jackson, TN 38301
731-423-2811



CERTIFIED TEST REPORT
http://Online.KaiserAluminum.com

CUSTOMER PO NUMBER:		CUSTOMER PART NUMBER:		PRODUCT DESCRIPTION:	
479772-1		8808		Cold Finished Round	
KAISER ORDER NUMBER/ LINE ITEM:		SHIP DATE:		ALLOY:	
725484 1		10/01/2018		7075	
WEIGHT SHIPPED:		QTY:		TEMPER:	
1963 lbs.		14 pcs.		T7351	
SHIP TO:		B/L NUMBER:		WIDTH:	
		42904		0.000 in.	
				LENGTH:	
				144.0 in.	
A M Castle & Co 3600 Enterprise Drive Janesville, WI 53546 USA		SOLD TO:		A M Castle & Co 1420 Kensington Road Suite 220 Oak Brook, IL 60523 USA	

Test Code: 1000 AC

Actual Physical Properties

Lot Number	LONG. UTS ksi	LONG. YTS ksi	LONG. ELONG. %	COND. % IACS
20234645 <i>✓m</i>	72.0	60.9	16.0	38.7

Chemical Composition, WT. % (Aluminum Remainder)

	Si	Fe	Cu	Mn	Mg	Cr	Zn	Ti	OTHERS EACH	OTHERS TOTAL	Lot
Actual	0.08	0.23	1.5	0.03	2.7	0.19	5.9	0.03			20234645
Max	0.40	0.50	2.0	0.30	2.9	0.28	6.1	0.20	0.05	0.15	
Min			1.2		2.1	0.18	5.1				

Specifications *✓m*

Standard: ISO 9001, ASTM E211-12, AMS4124E, AMS-00-A-225 *✓m* Non-Standard: A97075_11_R16

CERTIFICATION

Kaiser Aluminum Fabricated Products, LLC ("Kaiser") hereby certifies that the metal shipped under this order has been inspected and tested and found in conformance with the applicable specifications forming a part of the description set forth in Kaiser's sales acknowledgement form. Any warranty is limited to that shown on Kaiser's general terms and conditions of sale. Test reports are on file, subject to examination.

John Rennekamp, Quality Manager

John Rennekamp

Plant Serial: 257892
Kaiser Order Number: 725484
Line Item: 1

MATERIAL RECEIPT INSPECTION FORM

MATERIAL: D6103-003
 DATE: May 21 2019

PO / BATCH NO.: POH8043369 / 5182446

MATERIAL CERT REC'D: yes
 QUANTITY RECEIVED: 11x
 QUANTITY INSPECTED: 11x
 QUANTITY REJECTED: 0

THICKNESS ORDERED: 0.35"
 THICKNESS RECEIVED: 0.35"
 SHEET SIZE ORDERED: -
 SHEET SIZE RECEIVED: -

DESCRIPTION	NCR (Check Y/N)	COMMENTS
SURFACE DAMAGE	Y ☒ N	
CORRECT FINISH	☒ Y N	
CORROSION	Y ☒ N	
CORRECT GRAIN DIRECTION	☒ Y N	
CORRECT MATERIAL PER M-DRAWING	☒ Y N	AMS-QQ-A-225
CORRECT THICKNESS	☒ Y N	
PHOTO REQUIRED	Y ☒ N	
CORRECT REF # TO LINK CERT	☒ Y N	HT: 20234645
CORRECT MATERIAL IDENTIFICATION	☒ Y N	
CORRECT M# ON THE MATERIAL	☒ Y N	
DOES THIS MATERIAL REQUIRE ENGINEERING SIGN OFF	Y ☒ N	
DOES THIS REQUIRE AN EXTRUSION REPORT	Y ☒ N	

CUT SAMPLE PIECE OF MATERIAL AND PERFORM A HARDNESS CHECK. RECORD RESULTS BELOW					
	HRC	HRB	DUR A	DUR D	WEBSTER
TYPE OF MATERIAL					
SIZE OF TEST SAMPLE					
HARDNESS / DUROMETER READING					

testers located in the Quality Office

QC 18 INSPECTION	ENGINEERING SIGNOFF (if required)
INSPECTED BY: <u>Vm</u> DATE: <u>May 21st 2019</u>	SIGNED OFF BY: _____ DATE: _____

Attach this inspection sheet with the corresponding material cert and remit to be scanned and received in